

PCT10

RAW SEQUENCE LISTING DATE: 06/12/2002 PATENT APPLICATION: US/10/019,219 TIME: 12:21:40

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Output Set: N:\CRF3\06122002\J019219.raw

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ENTERED
     3 <110> APPLICANT: RONSIN, CHRISTOPHE
             SCOTT, VERONIQUE
             TRIEBEL, FREDERIC
     7 <120> TITLE OF INVENTION: PEPTIDE COMPOUND DERIVED FROM A SHIFTED ORF OF THE ICE.
             GENE
    10 <130> FILE REFERENCE: 065691-0263
    12 <140> CURRENT APPLICATION NUMBER: 10/019,219
C--> 13 <141> CURRENT FILING DATE: 2002-05-15
    15 <150> PRIOR APPLICATION NUMBER: PCT/FR00/01791
    16 <151> PRIOR FILING DATE: 2000-06-27
    18 <150> PRIOR APPLICATION NUMBER: FR 99/08224
    19 <151> PRIOR FILING DATE: 1999-06-28
    21 <160> NUMBER OF SEQ ID NOS: 8
    23 <170> SOFTWARE: PatentIn Ver. 2.1
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    27 <212> TYPE: PRT
    28 <213> ORGANISM: Homo sapiens
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    34 Cys Trp Leu Pro Trp Arg Thr Trp Trp Trp Ser Ser Ser Ser Thr Ala
    37 Trp Val Ser Trp Ala Ser Ser Ala Leu Glu Thr Ser Thr Gln Pro Ala
                35
                                    40
    40 Thr Gly Ala Thr Trp Thr Lys Trp Leu His Tyr Ala Gly Ser Ser Arg
                                55
    43 Ile Ser Pro Thr Leu Glu Ala Thr Leu Thr Val Ser Pro Phe Leu Ala
                           70
    46 Ser Leu Arg Val Ala Arg Val Cys Leu Arg Leu Leu Cys Pro Pro Tyr
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    49 Pro Lys Asp Ser Ser Thr Glu Pro Ser Trp Arg Val Ala Trp Pro Ser
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                                       105
    52 Cys Pro Ala Ser Leu Pro Ala Gln Leu Met Ser Ser Pro Arg Trp Trp
                                  120
    55 Pro Thr Cys Leu Pro Val Thr Lys Leu Thr Leu Arg Pro Trp Trp Ala
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    58 Ala Cys Gly Ala Arg Val Lys Arg Arg Phe Leu Gln Leu Thr Ser Leu
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    61 Ser Arg
    64 <210> SEQ ID NO: 2
    65 <211> LENGTH: 9
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66 <212> TYPE: PRT

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81 tqqaqaacqt qqtqqtqqtc atcatccagt accqcctggg tqtcctgggc ttcttcagca 120
82 ctggaqacaa qcacqcaacc qqcaactqqq qctacctgga ccaagtggct gcactacgct 180
83 gggtccagca gaatatcgcc cactttggag gcaaccctga ccgtgtcacc atttttggcg 240
84 agtctgcggg tggcacgagt gtgtcttcgc ttgttgtgtc ccccatatcc caaggactct 300
85 tecaeggage cateatggag agtggegtgg cecteetgee eggeeteatt gecageteag 360
86 ctgatgtcat ctccacggtg gtggccaacc tgtctgcctg tgaccaagtt gactctgagg 420
87 ccctggtggg ctgcctgcgg ggcaagagta aagaggagat tcttgcaatt aacaagcctt 480
88 tcaagatgat ccccggagtg gtggatgggg tcttcctgcc c
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94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
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122 <222> LOCATION: (1)..(1677)
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127 1
                                        10
129 ctt ctg ctg ctt ctt gtc cgg ggc cag ggc cag gac tca gcc agt ccc
130 Leu Leu Leu Leu Val Arg Gly Gln Gly Gln Asp Ser Ala Ser Pro
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133 atc cgg acc aca cac acg ggg cag gtg ctg ggg agt ctt gtc cat gtg
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134 135	Ile	Arg	Thr	Thr	His	Thr	Gly	.Gln 40	val	Leu	Gly	Ser	Leu 45	Val	His	Val	
	· aaπ	aac		aat	acc	aaa	atc		acc	ttc	cta	σσα	att	cca	ttt	acc	192
132	Lug	614	Δla	Δen	Δla	Glv	Val	Gln	Thr	Phe	Len	Glv	Ile	Pro	Phe	Ala	
139	цуз	50	Ата	NO11	пта	GLY	55	OIII	T 11T	1110	ысц	60	110	110	1 110	mu	
				a+ a	~~+	~~~		000	+++	~~~	000		a a a	000	aat	~ 22	240
													gag				240
	_	Pro	Pro	Leu	GTĀ		Leu	Arg.	Pne	Ата		Pro	Glu	PLO	PIO		
143	65					70	٠.				75					80	200
													gcc				288
	Ser	Trp	Ser	Gly		Arg	Asp	Gly	Thr		His	Pro	Ala	Met	_	Leu	
14.7					85			,		90					95		_
													cag				336
150	Gln	Asp	Leu	Thr	Ala	Val	Glu	Ser	Glu	Phe	Leu	Ser	Gln	Phe	Asn	Met	
151				100					105					110			
153	acc	ttc	cct	tcc	gac	tcc	atg	tct	gag	gac	tgc	ctg	tac	ctc	agc	atc	384
154	Thr	Phe	Pro	Ser	Asp	Ser	Met	Ser	Glu	Asp	Cys	Leu	Tyr	Leu	Ser	Ile	
155			115					120					125				
157	tac	acq	ccg	gcc	cat	agc	cat	gaa	ggc	tct	aac	ctg	ccg	gtg	atg	gtg	432
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159	-	130					135		_			140					
161	taa	atc	cac	ggt	ggt	qcq	ctt	qtt	ttt	ggc	atg	gct	tcc	ttg	tat	gat	480
													Ser				
163	-			2		150				-	155				_	160	
		tcc	atσ	cta	act		t.t.a	σασ	aac	at.a	at.a	ata	gtc	atc	atc	cag	528
													Val				
167	017	DCI	1100	DCu	165		200	V-4		170					175	·	
	tac	cac	cta	aat		cta	aac	ttc	ttc		act	ααа	gac	ааσ		αca	576
													Asp				3,0
171	TYL	Arg	пец	180	VUI	пси	Gry	1110	185	JCI	1111	OL1	1155	190	1110		
	200	~~~	220	-	~~~	+20	ata	a a a		ata	ant	aca.	cta		taa	atc	624
													Leu				024
	THE	GIY		тър	СТА	тут	Leu	200	GIII	Val	нта	нта	205	ALY	тъ	Val	
175			195		~~~		+++		~~~	224	aat	~~~		at a	200	2++	672
													cgt				0/2
	GIn		Asn	тте	Ala	HIS		GIY	GIY	ASII	PIO		Arg	Val	THE	TTE	
179		210					215					220					720
													ctt				720
		GIY	GLu	Ser	ALA	_	GTĀ	Thr	Ser	vaı		ser	Leu	vaı	val		
183						230					235					240	7.00
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	Pro	Ile	Ser	Gln		Leu	Phe	His	Gly		IIe	Met	Glu	Ser		Val	
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189	gcc	ctc	ctg	ccc	ggc	ctc	att	gcc	agc	tca	gct	gat	gtc	atc	tcc	acg	816
190	Ala	Leu	Leu	Pro	Gly	Leu	Ile	Ala	Ser	Ser	Ala	Asp	Val		Ser	Thr	
191				260					265					270			
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	Val	Val	Ala	Asn	Leu	Ser	Ala		Asp	Gln	Val	Asp	Ser	Glu	Ala	Leu	
195			275					280					285				
197	gtg	ggc	tgc	ctg	cgg	ggc	aag	agt	aaa	gag	gag	att	ctt	gca	att	aac	912
198	Val	Gly	Cys	Leu	Arg	Gly	Lys	Ser	Lys	Glu	Glu	Ile	Leu	Ala	Ile	Asn	

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	305					310					315					320	
											gac						1008
	Arg	His	Pro	Gln		Leu	Leu	Ala	Ser		Asp	Phe	GIn	Pro		Pro	
207					325					330					335		
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	Ser	Ile	Val	_	Val	Asn	Asn	Asn		Phe	Gly	Trp	Leu		Pro	Lys	
211				340					345					350			
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	Val	Met	_	Ile	Tyr	Asp	Thr		Lys	Glu	Met	Asp		Glu	Ala	Ser	
215			355					360					365				
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	Gln		Ala	Leu	Gln	Lys		Leu	Thr	Leu	Leu		Leu	Pro	Pro	Thr	
219		370					375					380					
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		Gly	Asp	Leu	Leu	_	Glu	Glu	Tyr	Ile	Gly	Asp	Asn	GLy	Asp		
	385					390					395					400	
											atg						1248
	Gln	Thr	Leu	Gln		Gln	Phe	Gln	GLu		Met	Ala	Asp	Ser		Phe	
227					405					410					415		
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231				420					425					430			1244
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	Val	Tyr		Tyr	GIu	Phe	GIn		GIn	Pro	Ser	Trp		ьуs	Asn	тте	
235			435					440					445	4			1200
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	Arg		Pro	HIS	мет	ьуs		Asp	HIS	GTA	Asp		Leu	Pro	Pne	vaı	
239		450					455					460					1440
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		Arg	ser	Pne	Pne	_	GIĀ	ASII	TYL	TTG	Lys	PHE	THE	GIU	GIU	480	
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											tgg						1488
	GIU	GIII	ьеи	ser		гуѕ	мес	мес	гуѕ	490	пр	Ата	ASII	Pile	495	Arg	
247	+	~~~	226		485	~~~	~~~	~~+	ata		a aa	+ ~ ~		ata			1536
											cac						1330
251	ASII	GTÄ	ASII	500	ASII	GIY	GIU	СТУ	505	PIO	His	ттЪ	PIO	510	PHE	ASP	
	~~~	~~~	~~~		+20	ata	~~~	ata		at a	cag	aat	000		aaa	oaa	1584
											Gln						1304
255	GIII	GIU	515	GIII	тут	Leu	GIII	520	ASII	цец	GIII	PIO	525	Val	СТУ	AIG	
	aat	at a		<b>a</b> aa	<b>a</b> 2a	200	ata		++0	+ ~ ~	aag	224		ata	000	caa	1632
											Lys						1032
259	мта	530	цур	AIA	птэ	лту	535	GTII	rne	1 + P	μλο	540	AIG	பபே	110	J.11	•
	224		024	asa.	ctc	nen		cat	us s	man	aga		aca	nan	cta	tag	1680
											Arg					Luy	1000
263		TTE	GIII	GIU	ьсu	550	JIU	110	υ±u	Jiu	555	1113	T 11T	JIU	Lu		
203	747					220					ررر						

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267 <211> LENGTH: 559
268 <212> TYPE: PRT
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281 Lys Gly Ala Asn Ala Gly Val Gln Thr Phe Leu Gly Ile Pro Phe Ala
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284 Lys Pro Pro Leu Gly Pro Leu Arg Phe Ala Pro Pro Glu Pro Pro Glu
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287 Ser Trp Ser Gly Val Arg Asp Gly Thr Thr His Pro Ala Met Cys Leu
290 Gln Asp Leu Thr Ala Val Glu Ser Glu Phe Leu Ser Gln Phe Asn Met
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293 Thr Phe Pro Ser Asp Ser Met Ser Glu Asp Cys Leu Tyr Leu Ser Ile
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294 115
296 Tyr Thr Pro Ala His Ser His Glu Gly Ser Asn Leu Pro Val Met Val
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299 Trp Ile His Gly Gly Ala Leu Val Phe Gly Met Ala Ser Leu Tyr Asp
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302 Gly Ser Met Leu Ala Ala Leu Glu Asn Val Val Val Ile Ile Gln
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                   165
305 Tyr Arg Leu Gly Val Leu Gly Phe Phe Ser Thr Gly Asp Lys His Ala
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                                   185
308 Thr Gly Asn Trp Gly Tyr Leu Asp Gln Val Ala Ala Leu Arg Trp Val
309
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311 Gln Gln Asn Ile Ala His Phe Gly Gly Asn Pro Asp Arg Val Thr Ile
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314 Phe Gly Glu Ser Ala Gly Gly Thr Ser Val Ser Ser Leu Val Val Ser
315 225 230 235 240
317 Pro Ile Ser Gln Gly Leu Phe His Gly Ala Ile Met Glu Ser Gly Val
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320 Ala Leu Leu Pro Gly Leu Ile Ala Ser Ser Ala Asp Val Ile Ser Thr
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323 Val Val Ala Asn Leu Ser Ala Cys Asp Gln Val Asp Ser Glu Ala Leu
324 275
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326 Val Gly Cys Leu Arg Gly Lys Ser Lys Glu Glu Ile Leu Ala Ile Asn
                           295
       290
329 Lys Pro Phe Lys Met Ile Pro Gly Val Val Asp Gly Val Phe Leu Pro
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332 Arg His Pro Gln Glu Leu Leu Ala Ser Ala Asp Phe Gln Pro Val Pro
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335 Ser Ile Val Gly Val Asn Asn Glu Phe Gly Trp Leu Ile Pro Lys
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/019,219

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Input Set : A:\65691263.app

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date